



California Regional Water Quality Control Board

Los Angeles Region



Linda S. Adams
Agency Secretary

Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>

Arnold Schwarzenegger
Governor

August 28, 2007

Mr. Rich Solomon
Project Manager
CononcoPhillips
3611 Harbor Boulevard, Suite 200
Santa Ana, CA 92704

GENERAL WASTE DISCHARGE REQUIREMENTS FOR GROUNDWATER CLEANUP AT PETROLEUM HYDROCARBON FUEL, VOLATILE ORGANIC COMPOUND And/Or HEXAVALENT CHROMIUM IMPACTED SITES – FORMER FAST GAS STATION, 2473 THOUSAND OAKS BOULEVARD, THOUSAND OAKS (ORDER NO. R4-2007-0019, SERIES NO. 030; CI NO. 9313)

Dear Mr. Solomon:

We have completed our review of your application for coverage under the General Waste Discharge Requirements to inject non-hazardous ozone at the site referenced above in Thousand Oaks, California, for groundwater cleanup and remediation.

The station currently maintains three gasoline underground storage tanks (USTs) along the western boundary and three dispenser islands along the southern boundary of the property. The site is bordered on the south by Thousand Oaks Boulevard, to the north and west by Thousand Oaks Toyota, and on the east by an auto supply store. South of the site and across Thousand Oaks Blvd are several retail businesses. Previously, the site operated as a Fast Gas Service Station until the current operator, Thousand Oaks Amercian Gas took over operations of the property.

Since underground storage tank removal activities were conducted in early 1987, several soil and groundwater investigations have been conducted to delineate the extent of petroleum hydrocarbon contamination. Total petroleum hydrocarbons as gasoline (TPHg) and MTBE were detected up to 3,100 and 0.064 mg/kg, respectively in soil during the most recent soil sampling in May 2004. In the most recent groundwater monitoring event, up to 14,000 µg/L of TPHg, 460 µg/L of benzene, and 500 µg/L of MTBE were detected in groundwater.

The corrective actions have consisted of free product removal and a soil vapor extraction / air sparging pilot which is determined to have limited effectiveness in remediating the petroleum hydrocarbons beneath the site.

To abate the impacted groundwater beneath the site, in June 2006, you submitted a work plan entitled *Site Status and Amended Action Plan* in which you proposed to conduct an ozone sparging feasibility study prior to implementing a full-scale remedial system utilizing C-Sparge technology. The C-Sparge technology combines low-flow air sparging with ozonation. Generated ozone microbubbles will be introduced below the groundwater table through sparge points to oxidize contaminants into benign byproducts. The release of oxygen to groundwater

California Environmental Protection Agency



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

promotes aerobic bacterial growth that will enhance the biodegradation process. The Ventura County Health Division approved the work plan on June 23, 2006.

Regional Board staff has determined that the proposed discharge meets the conditions specified in Order No. R4-2007-0019, "*Revised General Waste Discharge Requirements for Groundwater Remediation At Petroleum Hydrocarbon Fuel, Volatile Organic Compound and/or Hexavalent Chromium Impacted Sites (General WDRs)*," adopted by the State Water Resources Control Board on March 1, 2007.

Enclosed are your Waste Discharge Requirements, consisting of General WDRs Board Order No. 2007-0019 and Monitoring and Reporting Program No. CI-9313 and Standard Provisions.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of this enrollment under Regional Board Order No. R4-2007-0019. All monitoring reports shall be sent to the Regional Board, ATTN: Information Technology Unit.

When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to Compliance File No. CI-9313, which will assure that the reports are directed to the appropriate file and staff. Do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

We are sending a copy of Order No. R4-2007-0019 only to the applicant. A copy of the Order will be furnished to anyone who requests it, or on line at:

http://www.waterboards.ca.gov/losangeles/html/permits/gen_orders/R4-2007-0019/R4-2007-0019.pdf

If you have any questions, please contact Mr. Rod Nelson at (213) 576-6119.

Sincerely,

Deborah J. Smith
Interim Executive Officer

Enclosures: 1. Board Order No. R4-2007-0019
2. Monitoring and Reporting Program No. CI-9313

cc: Mr. David Salter, Ventura County Environmental Health Division
Mr. Hari Patel, State Water Resources Control Board, Underground Storage Tank Cleanup Fund
Ms. Holly Quasem, SECOR Internantional